

I CLAIM.

1. A portable, pedal driven propulsion device, for use in a watercraft having gunwhales, comprising:

(a) a substantially quadrilateral frame adapted to be releasably mounted on the gunwhales of said watercraft;

(b) operator seat means mounted on said quadrilateral frame;

(c) pedal crank means mounted forwardly of, and depending from, said quadrilateral frame and operable by an operator sitting on said seat means;

(d) a gear box pivotally mounted, on said quadrilateral frame so as to lie outboard of one of said gunwhales and forward of said operator seat means when in operative position;

(e) means to transmit motive power generated by said pedal crank means to said gear box; and

(f) longitudinal drive shaft means operatively connected at one end thereof to said gear box and, at a second end thereof, to a propeller means;

said gear box and longitudinal drive shaft means being adapted to be pivoted, when mounted on said watercraft, about a horizontal transverse axis so as to raise said propeller means to an inoperable position wherein said drive shaft means is substantially parallel to said one gunwhale, and lower said propeller means to an operative position wherein said drive shaft means is at an acute angle relative to said gunwhale.

2. A propulsion device as claimed in claim 1, wherein said drive shaft is rotatably mounted within a longitudinal tube means.
3. A propulsion device as claimed in claim 2, including means to support said tube means, intermediate the ends thereof, in a selected one of said operative and inoperative positions.
4. A propulsion device as claimed in claim 2 wherein said means to transmit power comprises first drive means operatively connected to a first end of a first transverse drive shaft, second drive means operatively connected to a second end of said first transverse drive shaft, a second transverse drive shaft means operatively connected to said second drive means at a first end thereof and to said gear box at a second end thereof.
5. A propulsion device as claimed in claim 4 wherein said second transverse drive shaft means includes slideable means to selectively engage and disengage said second chain drive means and said gear box.
6. A propulsion device as claimed in claim 5 wherein said second transverse drive shaft means is rotatably mounted in transverse tube means mounted on said quadrilateral frame.
7. A propulsion device as claimed in claim 6 wherein said second transverse drive shaft means includes first bevel gear means at said second end thereof.
8. A propulsion device as claimed in claim 7 wherein said longitudinal drive shaft means includes second bevel gear means at said one end thereof.
9. A propulsion device as claimed in claim 8 wherein said first and second

bevel gear means are contained within said gear box and mounted at right angles to each other for meshing engagement.

10. A propulsion device as claimed in claim 9 when mounted on said watercraft.

11. A propulsion device as claimed in claim 10 wherein said watercraft is a canoe.

12. A propulsion device as claimed in claim 1 wherein said operator seat means is adjustably mounted on said quadrilateral frame.

13. A propulsion device as claimed in claim 1 wherein said operator seat means is rigidly mounted on said quadrilateral frame.

14. A propulsion device as claimed in claim 4 wherein said first and second drive means comprise chain drive means.